

JP 59-094371

-3- (JAPIO)

ACCESSION NUMBER 84-094371  
TITLE ALKALINE BATTERY AND ITS MANUFACTURING  
METHOD  
PATENT APPLICANT (2000618) MITSUI MINING & SMELTING CO  
LTD  
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ABSTRACT 42.9 (ELECTRONICS--Other)

PURPOSE: To increase the effect of suppressing gas generation and the effect of battery performance by using the amalgamated zinc alloy powder in which one or more kinds of cadmium, tin, thallium, lead, and bismuth is/are allowed to coexist with indium or zinc-mercury alloy powder as the cathode active material.

CONSTITUTION: The amalgamated zinc alloy powder in which one or more kinds of cadmium, tin, thallium, lead, and bismuth is/are allowed to coexist with indium or zinc-mercury alloy powder is used as the active material of a cathode 4. It is recommended that the volume of each element in the said powder should be listed below: The content of indium is 0.005-1wt%, the content of cadmium is 0.001-0.05wt%, the content of tin is 0.001-1wt%, the content of thallium is 0.001-1wt%, the content of lead is 0.005-1wt%, the content of bismuth is 0.001-1wt%, and the content of mercury is less than 5wt%.